## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau



## 

(43) International Publication Date 31 March 2005 (31.03.2005)

PCT

## (10) International Publication Number WO 2005/029308 A2

(51) International Patent Classification7:

G06F 3/033

(21) International Application Number:

PCT/IB2004/003073

(22) International Filing Date:

21 September 2004 (21.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 10/671,430 24 September 2003 (24.09.2003) US 10/820,442 7 April 2004 (07.04.2004) US

(71) Applicant (for all designated States except US): NOKIA CORPORATION [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI). (72) Inventor; and

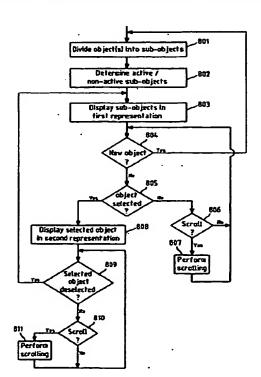
(75) Inventor/Applicant (for US only): MÄKELÄ, Mikko [FI/FI]; Insinöörinkatu 47 A 23, FIN-33720 Tampere (FI).

(74) Agent: WEYRES, Alexandra; Cohausz & Florack (24), Bleichstrasse 14, 40211 Düsseldorf (DE).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: IMPROVED PRESENTATION OF LARGE OBJECTS ON SMALL DISPLAYS



(57) Abstract: This invention relates to method for presenting at least a part of an object, comprising at least partially dividing at least one object into a plurality of sub-objects, presenting said plurality of sub-objects in a first representation, making at least one sub-object of said plurality of sub-objects an active sub-object, and in response to a user operation on said at least one active sub-object, presenting at least one of said at least one active sub-objects in a second representation. Said at least one object may be a 2D object, e.g. a Hypertext Markup Language HTML page or a page of a text document, or a 3D object, e.g. a Virtual Reality Markup Language VRML object, and said display may be integrated in a portable electronic device. The invention further relates to a device, a system, a computer program and a computer program product.